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*January 6, 1859.*

Sir BENJAMIN C. BRODIE, Bart., President, in the Chair.

The following communications were read :—

- I. Letter to Dr. SHARPEY, Sec. R.S., from Dr. THOMAS WILLIAMS, F.R.S., dated Swansea, Dec. 12, 1858.

In my paper entitled “Researches on the Structure and Homology of the Reproductive Organs of the Annelids,” lately published in the Philosophical Transactions, the following passage occurs in a note at page 113 :—“Some of these demonstrations have been recently witnessed by Mr. Busk and Dr. Carpenter.”

Some time after the publication of my paper, I received a letter from Mr. Busk, observing that when taken in connexion with the context, the above allusion to his name and that of Dr. Carpenter might lead to the supposition that they acquiesced in the views which I ventured to advocate in my paper.

If permitted, I should be glad to state, that although I had shown to Mr. Busk and Dr. Carpenter certain of my dissections, and although I was favoured at the time with what I believed to be their concurrence and approbation, I am most anxious at present to explain that in referring to their names, I had no intention whatever to implicate them in the opinions which I entertained.

I remain, &c.,

THOMAS WILLIAMS, M.D., F.R.S.

- II. “A Sixth Memoir on Quantics.” By ARTHUR CAYLEY, Esq., F.R.S. Received November 18, 1858.

(Abstract.)

I propose in the present memoir to consider the geometrical theory: I have alluded to this part of the subject in the articles Nos. 3 and 4 of the introductory memoir. The present memoir relates to the geometry of one dimension and the geometry of two dimensions corresponding respectively to the analytical theories of